

WHAT IS CLAIMED IS:

1. A moisturizing and lubricating composition comprising from about 1% (by weight) to about 40% (by weight) of an emollient, from about 1% (by weight) to about 20% (by weight) of a humectant, from about 30% (by weight) to about 90% (by weight) an immobilizing agent, and from about 1% (by weight) to about 40% (by weight) of a compatibilizing agent wherein no more than about 50% (by weight) of the components are liquid at room temperature and no less than about 50% of the components are solid at room temperature, and wherein at least about 85% (by weight) of the components of the moisturizing and lubricating composition form a single phase at a temperature of from about 45°C to about 80°C.

2. The moisturizing and lubricating composition as set forth in claim 1 wherein the emollient is selected from the group consisting of petroleum based emollients, fatty acids, fatty acid esters, vegetable oils, hydrogenated vegetable oils, alkyl ethoxylates, fatty alcohols, silicones, and combinations thereof.

3. The moisturizing and lubricating composition as set forth in claim 2 wherein the silicones are selected from the group consisting of dimethicone, dimethoconol, PEG dimethicone, alkyl silicones, phenyl silicones, silicone phospholipids, and combinations thereof.

4. The moisturizing and lubricating composition as set forth in claim 1 wherein the humectant is present in an amount of from about 5% (by weight) to about 15% (by weight).

5. The moisturizing and lubricating composition as set forth in claim 1 wherein the humectant is selected from the group consisting of N-Acetyl ethanolamine, urocanic acid, aloe vera gel, arginine PCA, chitosan PCA, copper PCA, corn

5 glycerides, dimethyl imidazolidinone, fructose, glucamine,  
glucose, glucose glutamate, glucuronic acid, glutamic acid,  
glycereth-7, glycereth-12, glycereth-20, glycereth-26,  
glycerin, honey, hydrogenated honey, hydrogenated starch  
hydrolysates, hydrolyzed corn starch, lactamide MEA, lactic  
10 acid, lactose lysine PCA, mannitol, methyl gluceth-10, methyl  
gluceth-20, PCA, PEG-2 lactamide, PEG-10 propylene glycol,  
polyamino sugar condensate, potassium PCA, propylene glycol,  
propylene glycol citrate, polyamino acid, polysaccharide,  
saccharide hydrolysate, saccharide isomerate, sodium  
15 aspartate, sodium lactate, sodium PCA, sorbitol, TEA-lactate,  
TEA-PCA, Urea, Xylitol, and mixtures thereof.

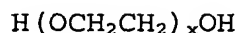
6. The moisturizing and lubricating composition as set  
forth in claim 1 wherein the humectant is selected from the  
group consisting of polyols, glycerine, ethoxylated  
glycerine, polyethylene glycols, hydrogenated starch  
5 hydrolysates, propylene glycol, silicone glycol, pyrrolidone  
carboxylic acid, and mixtures thereof.

7. The moisturizing and lubricating composition as set  
forth in claim 1 wherein the humectant is glycerin.

8. The moisturizing and lubricating composition as set  
forth in claim 1 wherein the immobilizing agent is present in  
an amount of from about 40% (by weight) to about 70% (by  
weight).

9. The moisturizing and lubricating composition as set  
forth in claim 1 wherein the immobilizing agent is selected  
from the group consisting of aluminum stearate, calcium  
stearate, magnesium stearate, zinc stearate, C<sub>14</sub>-C<sub>22</sub> fatty  
5 alcohols, C<sub>12</sub>-C<sub>22</sub> fatty acids, solid fatty acid esters, C<sub>12</sub>-C<sub>22</sub>  
fatty alcohol ethoxylates having an average degree of

ethoxylation ranging from about 2 to about 30, and high molecular weight polyethylene glycols having the formula:



10 wherein x is the degree of ethoxylation and is an average value of at least about 20 moles.

10. The moisturizing and lubricating composition as set forth in claim 9 wherein the polyethylene glycols are selected from the group consisting of PEG 1000, PEG 3350, PEG 6000, PEG 8000, and PEG 10,000.

11. The moisturizing and lubricating composition as set forth in claim 9 wherein the fatty alcohol is selected from the group consisting of cetyl alcohol, cetearyl alcohol, stearyl alcohol, behenyl alcohol, and mixtures thereof.

12. The moisturizing and lubricating composition as set forth in claim 1 wherein the compatibilizing agent is selected from the group consisting of propylene glycol, butylene glycol, 1,3 butylene glycol, low molecular weight  
5 polyethylene glycols (molecular weights of less than about 720 and liquid at room temperature), methoxyisopropanol, dipropylene glycol propyl ether, dipropylene glycol butyl ether, dipropylene glycol, methyl propanediol, and soluble/dispersible polypropylene glycols, and combinations  
10 thereof.

13. The moisturizing and lubricating composition as set forth in claim 1 further comprising a dispersing agent.

14. The moisturizing and lubricating composition as set forth in claim 13 wherein the dispersing agent is selected from the group consisting of polyether  
ethoxylated/propoxylated modified polydimethylsiloxanes which  
5 are fully or partially compatible with polydimethylsiloxanes,

silicone polyethers having at least 30% siloxane, between 10% and 40% ethoxylation and between 0% and 40% propoxylation and combinations thereof.

15. The moisturizing and lubricating composition as set forth in claim 1 further comprising a skin barrier enhancing agent in an amount of from about 0.1% (by weight) to about 30% (by weight).

16. The moisturizing and lubricating composition as set forth in claim 15 wherein the skin barrier enhancing agent is selected from the group consisting of a fat and an oil.

17. The moisturizing and lubricating composition as set forth in claim 15 wherein the skin barrier enhancing agent is selected from the group consisting of apricot kernel oil, avocado oil, babassu oil, borage seed oil, butter, C<sub>12</sub>-C<sub>18</sub>  
5 acid triglyceride, camellia oil, canola oil, caprylic/capric/lauric triglyceride, caprylic/capric/linoleic triglyceride, caprylic/capric/stearic triglyceride, caprylic/capric triglyceride, carrot oil, cashew nut oil, castor oil, cherry pit oil, chia oil, cocoa butter, coconut  
10 oil, cod liver oil, corn germ oil, corn oil, cottonseed oil, C<sub>10</sub>-C<sub>18</sub> triglycerides, egg oil, epoxidized soybean oil, evening primrose oil, glyceryl triacetyl hydroxystearate, glyceryl triacetyl ricinoleate, glycosphingolipids, grape seed oil, hazelnut oil, human placental lipids, hybrid  
15 safflower oil, hybrid sunflower seed oil, hydrogenated castor oil, hydrogenated castor oil laurate, hydrogenated coconut oil, hydrogenated cottonseed oil, hydrogenated C<sub>12</sub>-C<sub>18</sub> triglycerides, hydrogenated fish oil, hydrogenated lard, hydrogenated menhaden oil, hydrogenated mink oil,  
20 hydrogenated orange roughy oil, hydrogenated palm kernel oil, hydrogenated palm oil, hydrogenated peanut oil, hydrogenated shark liver oil, hydrogenated soybean oil, hydrogenated

tallow, hydrogenated vegetable oil, lard,  
lauric/palmitic/oleic triglyceride, lesquerella oil, linseed  
25 oil, macadamia nut oil, maleated soybean oil, meadowfoam seed  
oil, menhaden oil, mink oil, moringa oil, mortierella oil,  
neatsfoot oil, oleic/linoleic triglyceride,  
oleic/palmitic/lauric/myristic/linoleic triglyceride,  
oleostearine, olive husk oil, olive oil, omental lipids,  
30 orange roughy oil, palm kernel oil, palm oil, peach kernel  
oil, peanut oil, pengawar djambi oil, pentadesma butter,  
phospholipids, pistachio nut oil, placental lipids, rapeseed  
oil, rice bran oil, safflower oil, sesame oil, shark liver  
oil, shea butter, soybean oil, sphingolipids, sunflower seed  
35 oil, sweet almond oil, tall oil, tallow, tribehenin,  
tricaprin, tricaprylin, triheptanoin,  
trihydroxymethoxystearin, trihydroxystearin, triisononanoin,  
triisostearin, trilaurin, trilinolein, trilinolenin,  
trimyristin, trioctanoin, triolein, tripalmitin, trisebacin,  
40 tristearin, triundecanoin, vegetable oil, walnut oil, wheat  
bran lipids, wheat germ oil, zadoary oil, and mixtures  
thereof.

18. The moisturizing and lubricating composition as set forth in claim 15 further comprising an antioxidant in an amount of from about 0.05% to about 5%.

19. The moisturizing and lubricating composition as set forth in claim 18 wherein the antioxidant is selected from the group consisting of natural and synthetic tocopherol, butylated hydroxyanisole (BHA), butylated hydroxytoluene  
5 (BHT), carotenoids, filtered wheat germ oil, gamma oryzanol, sodium sulfite, grape seed extract, green tea extract, rosmaric acid, ubiquinone, lipoic acid, N-acetyl-cysteine, avocado, sage, proanthrocyanidins, and mixtures thereof.

20. The moisturizing and lubricating composition as set forth in claim 18 wherein the antioxidant is selected from the group consisting of natural and synthetic tocopherol, butylated hydroxytoluene, gamma oryzanol, and mixtures thereof.

21. The moisturizing and lubricating composition as set forth in claim 1 further comprising a sterol or sterol derivative in an amount of from about 0.1% (by weight) to about 10% (by weight).

22. The moisturizing and lubricating composition as set forth in claim 21 wherein the sterol or sterol derivative is selected from the group consisting of cholesterol sulfate, cholesterol, sitosterol, stigmasterol, ergosterol, C<sub>10</sub>-C<sub>30</sub> cholesterol/lanosterol esters, cholecalciferol, cholesteryl hydroxystearate, cholesteryl isostearate, cholesteryl stearate, 7- dihydrocholesterol, dihydrocholesterol, dihydrocholesteryl octyldecanoate, dihydrolanosterol, dihydrolanosteryl octyldecanoate, ergocalciferol, tall oil sterol, soy sterol acetate, lanasterol, soy sterol, avocado sterols, cholesterol esters, sterol esters, and mixtures thereof.

23. The moisturizing and lubricating composition as set forth in claim 1 further comprising a ceramide.

24. The moisturizing and lubricating composition as set forth in claim 23 wherein the ceramide is glucosylceramide.

25. The moisturizing and lubricating composition as set forth in claim 1 further comprising one or more components selected from the group consisting of emulsifiers, surfactants, water, viscosity modifiers, pH modifiers, enzyme inhibitors/inactivators, suspending agents, pigments, dyes, colorants, buffers, perfumes, antibacterial actives,

antifungal actives, natural moisturizing factors,  
pharmaceutical actives, film formers, deodorants, opacifiers,  
astringents, solvents, organic acids, preservatives,  
10 antiviral actives, drugs, vitamins, aloe vera, and panthenol.

26. The moisturizing and lubricating composition as set forth in claim 1 wherein the composition has a melting point of from about 55°C to about 75°C.

27. The moisturizing and lubricating composition as set forth in claim 1 wherein the composition has a penetration hardness of from about 1 millimeter to about 20 millimeters.

28. The moisturizing and lubricating composition as set forth in claim 1 wherein at least about 90% (by weight) of the components of the moisturizing and lubricating composition form a single phase at a temperature of from  
5 about 45°C to about 80°C.

29. The moisturizing and lubricating composition as set forth in claim 1 wherein at least about 94% (by weight) of the components of the moisturizing and lubricating composition form a single phase at a temperature of from  
5 about 45°C to about 80°C.

30. The moisturizing and lubricating composition as set forth in claim 1 wherein at least about 97% (by weight) of the components of the moisturizing and lubricating composition form a single phase at a temperature of from  
5 about 45°C to about 80°C.

31. A moisturizing and lubricating composition comprising from about 1% (by weight) to about 40% (by weight) of a silicone, from about 1% (by weight) to about 20% (by weight) of a humectant, from about 30% (by weight) to about  
5 90% (by weight) an immobilizing agent, from about 1% (by

weight) to about 40% (by weight) of a compatibilizing agent and a dispersing agent wherein no more than about 50% (by weight) of the components are liquid at room temperature and no less than about 50% of the components are solid at room  
10 temperature, and wherein at least 85% (by weight) of the components of the moisturizing and lubricating composition form a single phase at a temperature of from about 45°C to about 80°C.

32. The moisturizing and lubricating composition as set forth in claim 31 wherein the weight ratio of silicone to dispersing agent is at least about 1:1.

33. The moisturizing and lubricating composition as set forth in claim 31 wherein the dispersing agent is Dow Corning 5329.

34. The moisturizing and lubricating composition as set forth in claim 31 wherein the silicone is selected from the group consisting of dimethicone, dimethoconol, PEG dimethicone, alkyl silicones, phenyl silicones, silicone  
5 phospholipids, and combinations thereof.

35. The moisturizing and lubricating composition as set forth in claim 31 wherein the humectant is present in an amount of from about 5% (by weight) to about 15% (by weight).

36. The moisturizing and lubricating composition as set forth in claim 31 wherein the humectant is selected from the group consisting of N-Acetyl ethanolamine, urocanic acid, aloe vera gel, arginine PCA, chitosan PCA, copper PCA, corn  
5 glycerides, dimethyl imidazolidinone, fructose, glucamine, glucose, glucose glutamate, glucuronic acid, glutamic acid, glycereth-7, glycereth-12, glycereth-20, glycereth-26, glycerin, honey, hydrogenated honey, hydrogenated starch hydrolysates, hydrolyzed corn starch, lactamide MEA, lactic



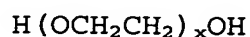
10 acid, lactose lysine PCA, mannitol, methyl gluceth-10, methyl  
gluceth-20, PCA, PEG-2 lactamide, PEG-10 propylene glycol,  
polyamino sugar condensate, potassium PCA, propylene glycol,  
propylene glycol citrate, polyamino acid, polysaccharide,  
saccharide hydrolysate, saccharide isomerate, sodium  
15 aspartate, sodium lactate, sodium PCA, sorbitol, TEA-lactate,  
TEA-PCA, Urea, Xylitol, and mixtures thereof.

37. The moisturizing and lubricating composition as set  
forth in claim 31 wherein the humectant is selected from the  
group consisting of polyols, glycerine, ethoxylated  
glycerine, polyethylene glycols, hydrogenated starch  
5 hydrolsates, propylene glycol, silicone glycol, pyrrolidone  
carboxylic acid, and mixtures thereof.

38. The moisturizing and lubricating composition as set  
forth in claim 31 wherein the humectant is glycerin.

39. The moisturizing and lubricating composition as set  
forth in claim 31 wherein the immobilizing agent is present  
in an amount of from about 40% (by weight) to about 70% (by  
weight).

40. The moisturizing and lubricating composition as set  
forth in claim 31 wherein the immobilizing agent is selected  
from the group consisting of aluminum stearate, calcium  
stearate, magnesium stearate, zinc stearate, C<sub>14</sub>-C<sub>22</sub> fatty  
5 alcohols, C<sub>12</sub>-C<sub>22</sub> fatty acids, solid fatty acid esters, C<sub>12</sub>-C<sub>22</sub>  
fatty alcohol ethoxylates having an average degree of  
ethoxylation ranging from about 2 to about 30, and high  
molecular weight polyethylene glycols having the formula:



10 wherein x is the degree of ethoxylation and is an average  
value of at least about 20 moles.

41. The moisturizing and lubricating composition as set forth in claim 40 wherein the polyethylene glycols are selected from the group consisting of PEG 1000, PEG 3350, PEG 6000, PEG 8000, PEG 10,000.

42. The moisturizing and lubricating composition as set forth in claim 40 wherein the fatty alcohol is selected from the group consisting of cetearyl alcohol, cetyl alcohol, stearyl alcohol, behenyl alcohol, and mixtures thereof.

43. The moisturizing and lubricating composition as set forth in claim 31 wherein the compatibilizing agent is selected from the group consisting of propylene glycol, butylene glycol, 1,3 butylene glycol, low molecular weight  
5 polyethylene glycols (molecular weights of less than about 720 and liquid at room temperature), methoxyisopropanol, dipropylene glycol propyl ether, dipropylene glycol butyl ether, dipropylene glycol, methyl propanediol, and soluble/dispersible polypropylene glycols.

44. The moisturizing and lubricating composition as set forth in claim 31 further comprising a skin barrier enhancing agent in an amount of from about 0.1% (by weight) to about 30% (by weight).

45. The moisturizing and lubricating composition as set forth in claim 44 wherein the skin barrier enhancing agent is selected from the group consisting of a fat and an oil.

46. The moisturizing and lubricating composition as set forth in claim 44 wherein the skin barrier enhancing agent is selected from the group consisting of apricot kernel oil, avocado oil, babassu oil, borage seed oil, butter, C<sub>12</sub>-C<sub>18</sub>  
5 acid triglyceride, camellia oil, canola oil, caprylic/capric/lauric triglyceride, caprylic/capric/linoleic triglyceride, caprylic/capric/stearic triglyceride,

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- caprylic/capric triglyceride, carrot oil, cashew nut oil,  
castor oil, cherry pit oil, chia oil, cocoa butter, coconut  
10 oil, cod liver oil, corn germ oil, corn oil, cottonseed oil,  
C<sub>10</sub>-C<sub>18</sub> triglycerides, egg oil, epoxidized soybean oil,  
evening primrose oil, glyceryl triacetate, glycosphingolipids, grape  
glyceryl triacetate, human placental lipids, hybrid  
15 seed oil, hazelnut oil, hybrid sunflower seed oil, hydrogenated castor  
oil, hydrogenated cottonseed oil, hydrogenated C<sub>12</sub>-C<sub>18</sub>  
triglycerides, hydrogenated fish oil, hydrogenated lard,  
hydrogenated menhaden oil, hydrogenated mink oil,  
20 hydrogenated orange roughy oil, hydrogenated palm kernel oil,  
hydrogenated palm oil, hydrogenated peanut oil, hydrogenated  
shark liver oil, hydrogenated soybean oil, hydrogenated  
tallow, hydrogenated vegetable oil, lard,  
25 lauric/palmitic/oleic triglyceride, lesquerella oil, linseed  
oil, macadamia nut oil, maleated soybean oil, mortierella oil,  
oil, menhaden oil, mink oil, moringa oil, mortierella oil,  
neatsfoot oil, oleic/linoleic triglyceride,  
oleic/palmitic/lauric/myristic/linoleic triglyceride,  
30 oleostearine, olive husk oil, olive oil, omental lipids,  
orange roughy oil, palm kernel oil, palm oil, peach kernel  
oil, peanut oil, pengawar djambi oil, pentadesma butter,  
phospholipids, pistachio nut oil, placental lipids, rapeseed  
oil, rice bran oil, safflower oil, sesame oil, shark liver  
35 oil, shea butter, soybean oil, sphingolipids, sunflower seed  
oil, sweet almond oil, tall oil, tallow, tribehenin,  
tricaprin, tricaprylin, triheptanoin,  
trihydroxymethoxystearin, trihydroxystearin, triisononanoin,  
triisostearin, trilaurin, trilinolein, trilinolenin,  
trimyristin, trioctanoin, triolein, tripalmitin, trisebacin,  
40 tristearin, triundecanoin, vegetable oil, walnut oil, wheat

bran lipids, wheat germ oil, zadoary oil, and mixtures thereof.

47. The moisturizing and lubricating composition as set forth in claim 44 further comprising an antioxidant in an amount of from about 0.05% to about 5%.

48. The moisturizing and lubricating composition as set forth in claim 47 wherein the antioxidant is selected from the group consisting of natural and synthetic tocopherol, butylated hydroxyanisole (BHA), butylated hydroxytoluene  
5 (BHT), carotenoids, filtered wheat germ oil, gamma oryzanol, sodium sulfite, grape seed extract, green tea extract, rosmarinic acid, ubiquinone, lipoic acid, N-acetyl-cysteine, avocado, sage, proanthrocyanidins, and mixtures thereof.

49. The moisturizing and lubricating composition as set forth in claim 47 wherein the antioxidant is selected from the group consisting of natural and synthetic tocopherol, butylated hydroxytoluene, gamma oryzanol, and mixtures  
5 thereof.

50. The moisturizing and lubricating composition as set forth in claim 31 further comprising a sterol or sterol derivative in an amount of from about 0.1% (by weight) to about 10% (by weight).

51. The moisturizing and lubricating composition as set forth in claim 50 wherein the sterol or sterol derivative is selected from the group consisting of cholesterol sulfate, cholesterol, sitosterol, stigmasterol, ergosterol, C<sub>10</sub>-C<sub>30</sub>  
5 cholesterol/lanosterol esters, cholecalciferol, cholesteryl hydroxystearate, cholesteryl isostearate, cholesteryl stearate, 7- dihydrocholesterol, dihydrocholesterol, dihydrocholesteryl octyldecanoate, dihydrolanosterol, dihydrolanosteryl octyldecanoate, ergocalciferol, tall oil

10 sterol, soy sterol acetate, lanasterol, soy sterol, avocado  
sterols, cholesterol esters, sterol esters, and mixtures  
thereof.

52. The moisturizing and lubricating composition as set  
forth in claim 31 further comprising one or more components  
selected from the group consisting of emulsifiers,  
surfactants, water, viscosity modifiers, natural moisturizing  
5 factors, pH modifiers, enzyme inhibitors/inactivators,  
suspending agents, pigments, dyes, colorants, buffers,  
perfumes, antibacterial actives, antifungal actives,  
pharmaceutical actives, film formers, deodorants, opacifiers,  
astringents, solvents, organic acids, preservatives,  
10 antiviral actives, drugs, vitamins, aloe vera, and panthenol.

53. The moisturizing and lubricating composition as set  
forth in claim 31 wherein the moisturizing and lubricating  
composition has a melting point of from about 55°C to about  
75°C.

54. The moisturizing and lubricating composition as set  
forth in claim 31 wherein the composition has a penetration  
hardness of from about 1 millimeter to about 20 millimeters.

55. The moisturizing and lubricating composition as set  
forth in claim 31 further comprising a ceramide.

56. The moisturizing and lubricating composition as set  
forth in claim 55 wherein the ceramide is glucosylceramide.

57. The moisturizing and lubricating composition as set  
forth in claim 31 wherein at least about 90% (by weight) of  
the components of the moisturizing and lubricating  
composition form a single phase at a temperature of from  
5 about 45°C to about 80°C.

58. The moisturizing and lubricating composition as set forth in claim 31 wherein at least about 94% (by weight) of the components of the moisturizing and lubricating composition form a single phase at a temperature of from  
5 about 45°C to about 80°C.

59. The moisturizing and lubricating composition as set forth in claim 31 wherein at least about 97% (by weight) of the components of the moisturizing and lubricating composition form a single phase at a temperature of from  
5 about 45°C to about 80°C.